

Amendments to the Abstract

Please replace the Abstract of the Disclosure with the following paragraph:

~~A~~ Embodiments of a method for incrementally coding and signalling ~~signaling~~ motion information for a video compression system involving a motion adaptive transform and embedded coding of transformed video samples using a computer are disclosed herein. In one such embodiment, the method includes ~~comprises the steps of:~~ (a) storing computer-readable instructions in the computer which, when executed, produce ~~producing an embedded motion field bit-stream, representing each motion field in coarse to fine fashion[;]] and (b) interleaving~~ incremental storing computer-readable instructions in the computer which, when executed, interleave contributions from said embedded motion fields-field bit-stream with incremental successive contributions from said embedded coding of the transformed video samples. ~~A further embodiment of a method for estimating and signalling motion information for a motion adaptive transform based on temporal lifting steps comprises the steps of:~~ (a) estimating and signalling motion parameters describing a first mapping from a source frame onto a target frame within one of the lifting steps; and (b) inferring a second mapping between either said source frame or said target frame, and another frame, based on the estimated and signalled motion parameters associated with said first mapping.